

United States of America  
Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

*Number* ST03712AT

*This certificate issued to* Chippewa Aerospace Inc.  
1601 Executive Ave  
Myrtle Beach, SC 29577

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.*

*Original Product - Type Certificate Number:* A13NM  
*Make:* Bombardier  
*Model:* DHC-8 Series

*Description of Type Design Change:* Installation of the Artex Three Frequency ELT in accordance with Chippewa Aerospace Master Data List (MDL) D8-2563-01-0001, Rev. IR, dated 02/17/2009, or later FAA approved revision.

*Limitations and Conditions:* This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

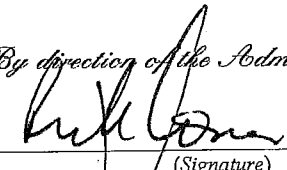
*Date of application:* February 20, 2009

*Date reissued:*

*Date of issuance:* June 16, 2009

*Date amended:*



*By direction of the Administrator*  
  
(Signature)

*for* Melvin D. Taylor  
Office Manager  
Atlanta Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

United States of America  
Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* ST03712AT

Instructions for Continued Airworthiness (ICA), Chippewa Aerospace Inc.  
Document No. # D8-2563-01-0002, Rev IR, dated 02/17/2009, or later FAA accepted revision must be made available to the operator at the time of installation.

This modification may not be installed after June 7, 2010 unless (1) previously approved electrical wiring interconnection system (EWIS) instructions for continued airworthiness (ICA) have been evaluated and determined to be adequate for this installation by the FAA, or (2) revised EWIS ICA have been approved by the FAA Oversight Office. (Refer to § 26.11).

*Certification Basis:*

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Bombardier DHC-8 Series aircraft is as follows:

- a. The type certification basis for Bombardier DHC-8 Series airplane is shown on TCDS A13NM for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, February 20, 2009, is based upon part 25 as amended by Amendment 25-127. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

**Regulations at the latest amendment 25-0 through 25-124**

§§ 25.301	§§ 25.303	§§ 25.305	§§ 25.307	§§ 25.561	§§ 25.601	§§ 25.603
§§ 25.605	§§ 25.607	§§ 25.613	§§ 25.625	§§ 25.1301	§§ 25.1309	§§ 25.1322
§§ 25.1353	§§ 25.1357	§§ 25.1431	§§ 25.1531	§§ 25.1583	§§ 25.1729	

**Regulations at the amendment level in TCDS A13NM**

§§ 25.1351

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U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Small Airplane Directorate  
Aircraft Certification Office  
1895 Phoenix Boulevard  
One Crown Center, Suite 450  
Atlanta, Georgia 30349

June 16, 2009

Mr. Charles Myers  
VP Technical Services  
Chippewa Aerospace  
1601 Executive Ave.  
Myrtle Beach, SC 29577

Dear Mr. Myers:

We have completed our evaluation of your Supplemental Type Certificate (STC) project, FAA Project Number ST11442AT-T, and find that you have satisfactorily demonstrated compliance with the applicable certification regulations. Accordingly, we have enclosed STC ST03712AT, that indicates our approval of the installation of an Artex three frequency ELT on the Bombardier DHC-8 Series aircraft.

This STC is official FAA approval of your modification and may be used to authorize identical modifications on other aircraft of the same model, subject to the limitations noted on the certificate. It may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Federal Aviation Regulation (FAR) 21.47. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission. You are required to advise this office within 30 days after the transfer when you transfer or grant licensee rights to the STC in order that we may take the necessary recording or reissuance action.

As recipient of this approval, except as provided in FAR 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in FAR 21.3(c). The report should be communicated initially by telephone to the Manager, Atlanta Aircraft Certification Office, telephone number (770)-703-6035, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Certification Office, at the above address is required. FAA Form 8010-4 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details.

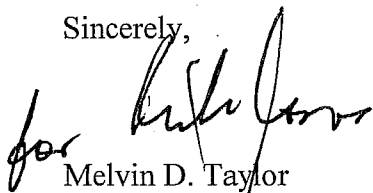
If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with FAR 21.303. A Parts Manufacturer Approval (PMA) may be issued under the provisions of FAR 21.303(d) when you submit a statement certifying you have established the fabrication inspection system as

required by FAR 21.303(h). The identification requirements for parts produced under a PMA are in FAR 45.15. Your statement may be in letter form, with reference to STC ST03712AT, and should be addressed to the Federal Aviation Administration, Small Airplane Directorate, Attention: Manager, Atlanta Manufacturing Inspection District Office, 1895 Phoenix Blvd., Suite 225 Atlanta, GA 30349.

Please note this important STC limitation: This modification may not be installed after June 7, 2010 unless (1) previously approved electrical wiring interconnection system (EWIS) instructions for continued airworthiness (ICA) have been evaluated and determined to be adequate for this installation by the FAA, or (2) revised EWIS ICA have been approved by the FAA Oversight Office. (Refer to § 26.11).

Please contact John Lee of this office for any questions or further discussion at (770) 994-6736.

Sincerely,

A handwritten signature in black ink, appearing to read "for Melvin D. Taylor". The signature is stylized and written over the printed name.

Melvin D. Taylor  
Manager, ACE115A  
Atlanta Aircraft Certification Office

Enclosure